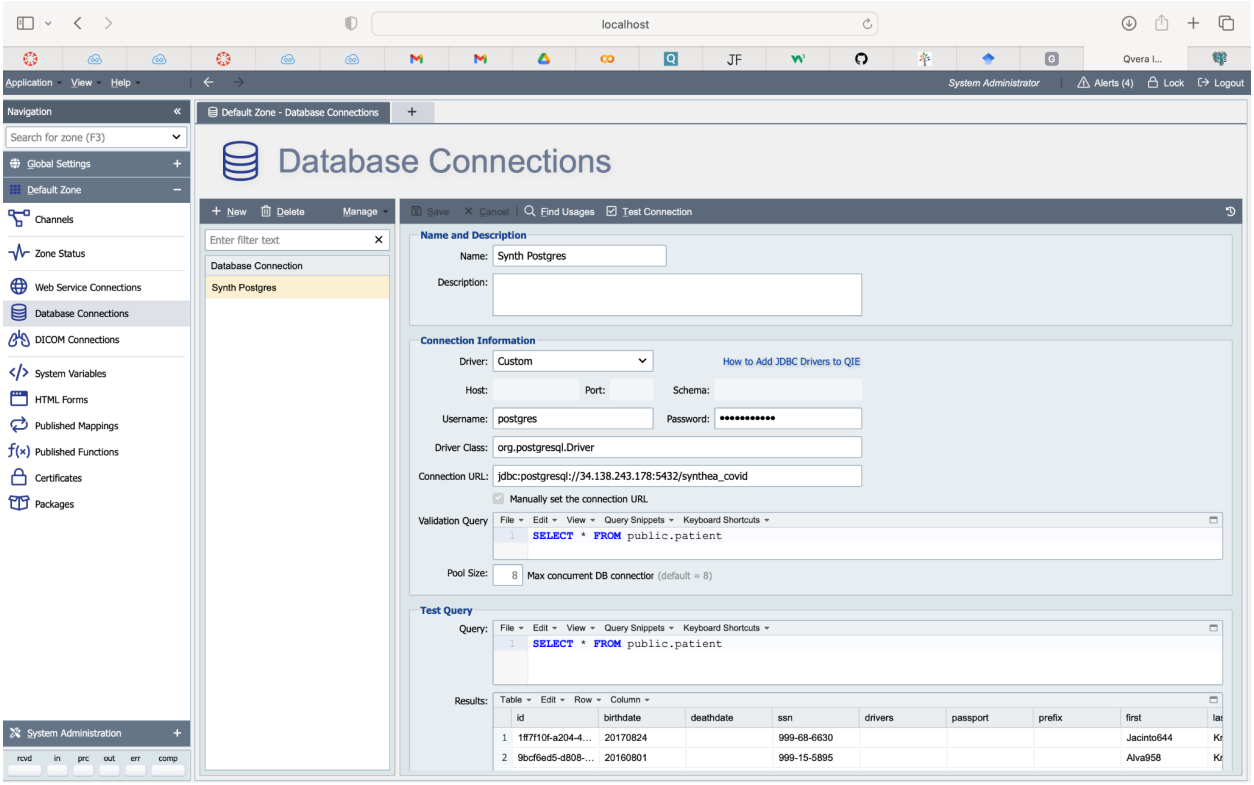
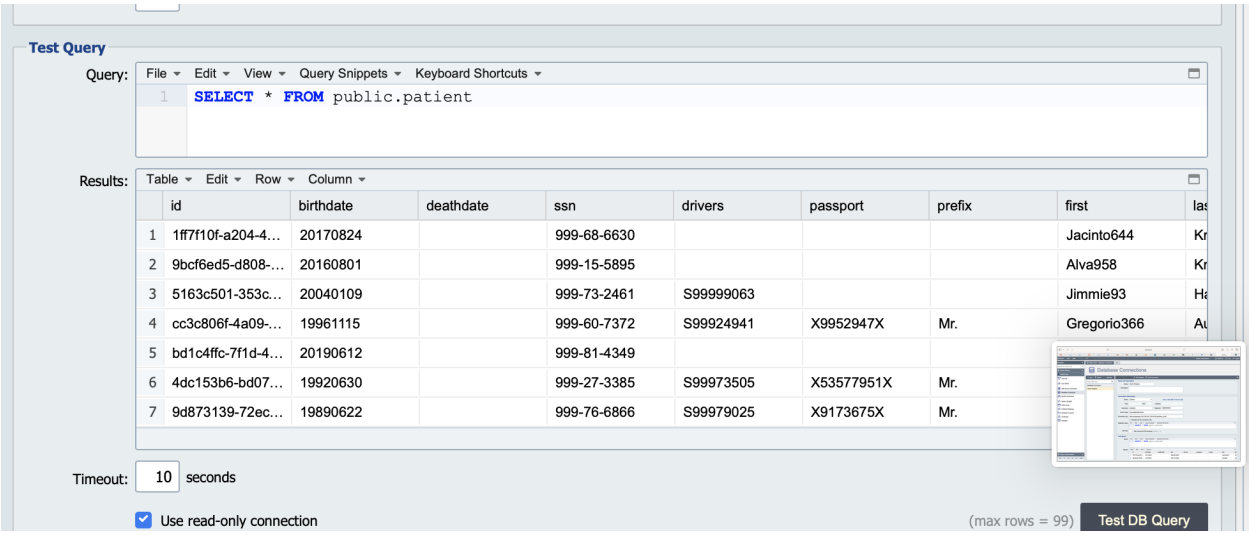
Joelle Fitzgerald
Homework 3 - Interface Engine to create an HL7 Message

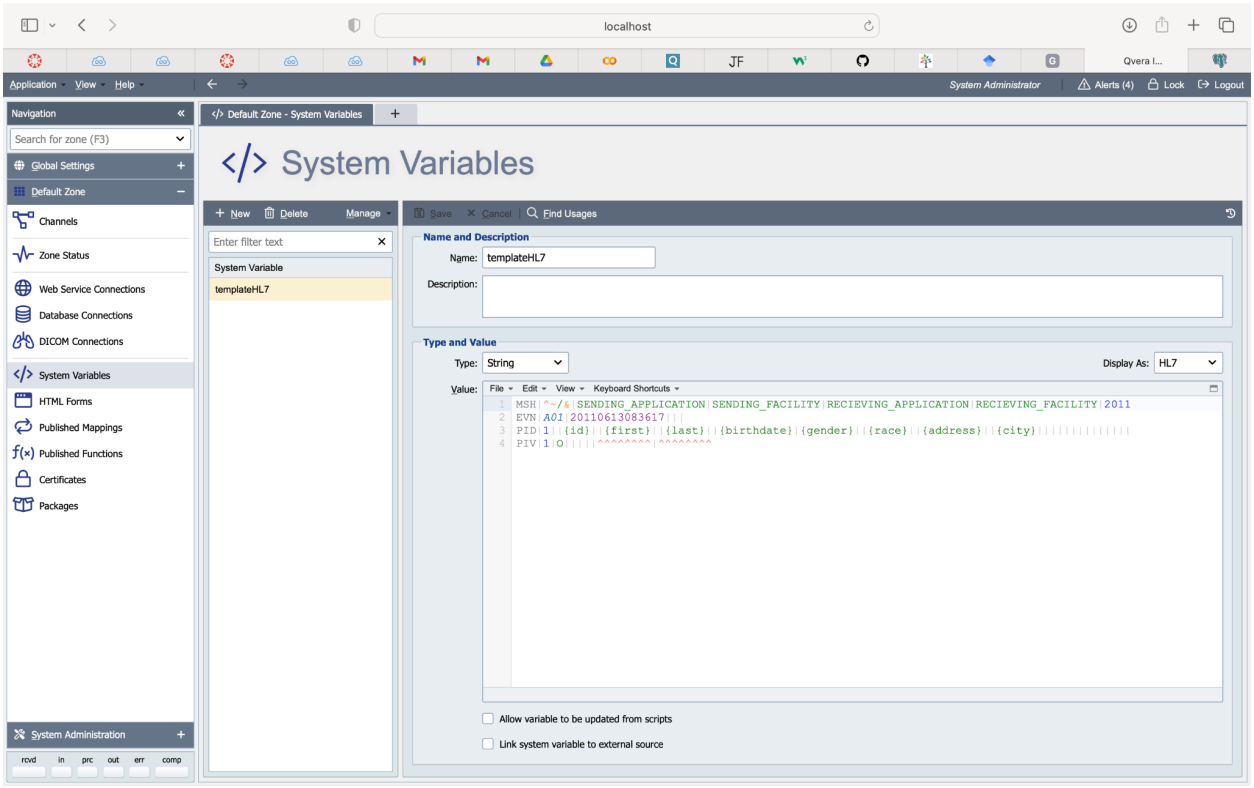
After downloading/installing Qvera, I set up a connection to the Synthea database



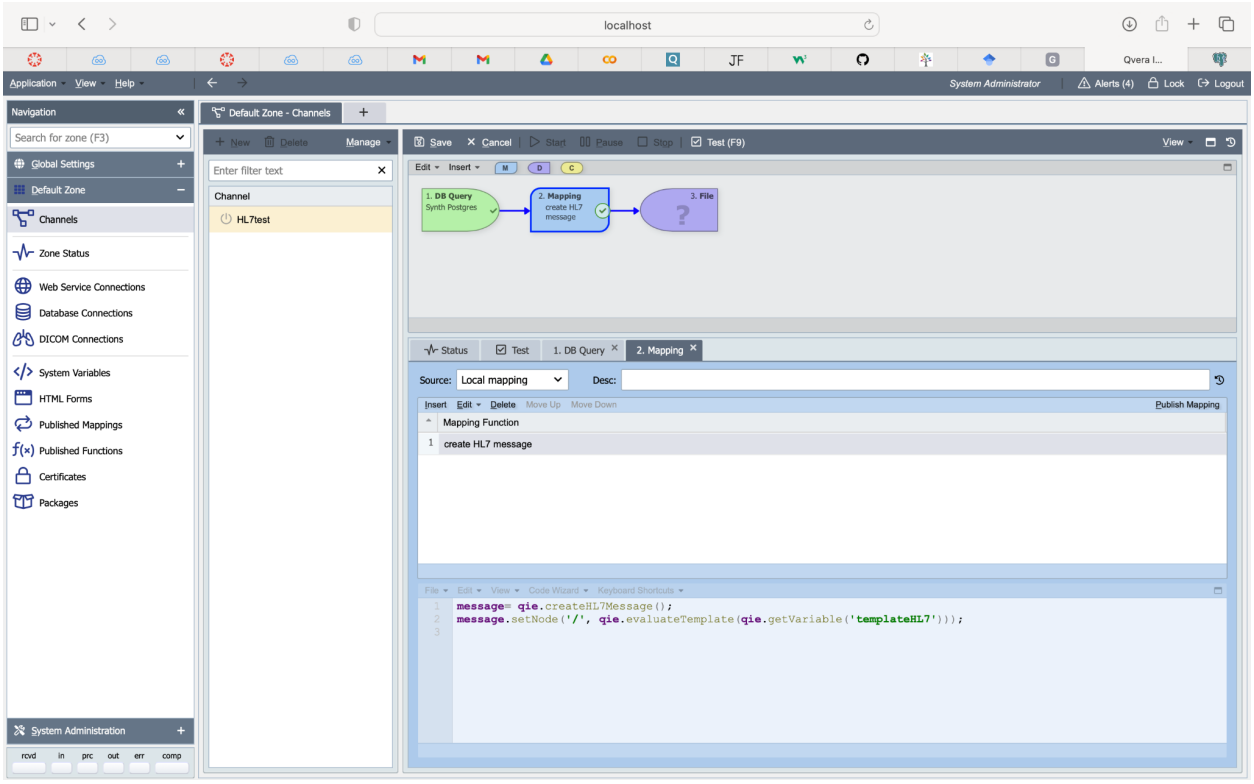
Below is a test run of the database connection

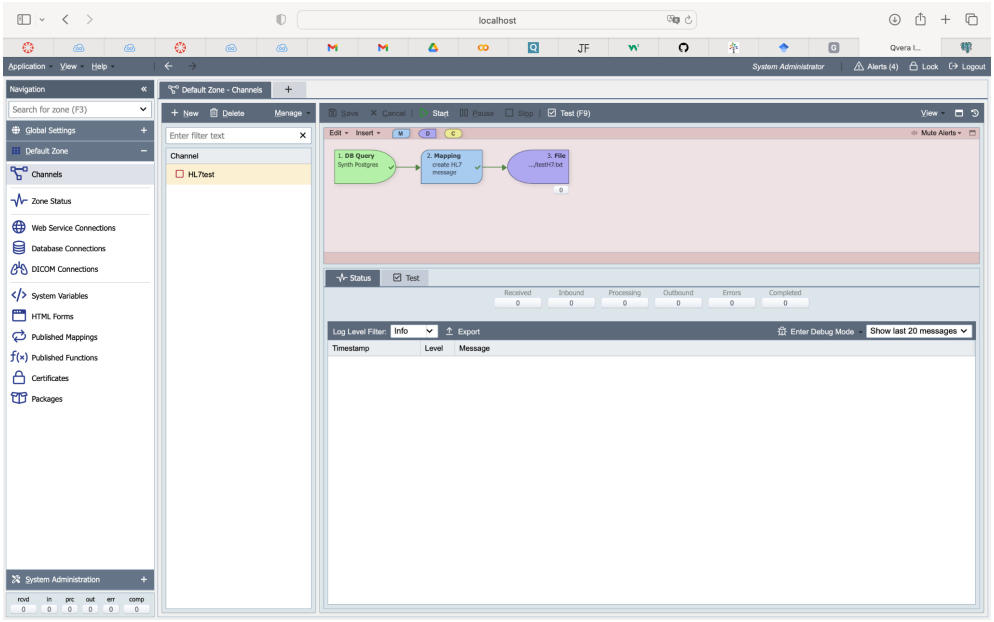


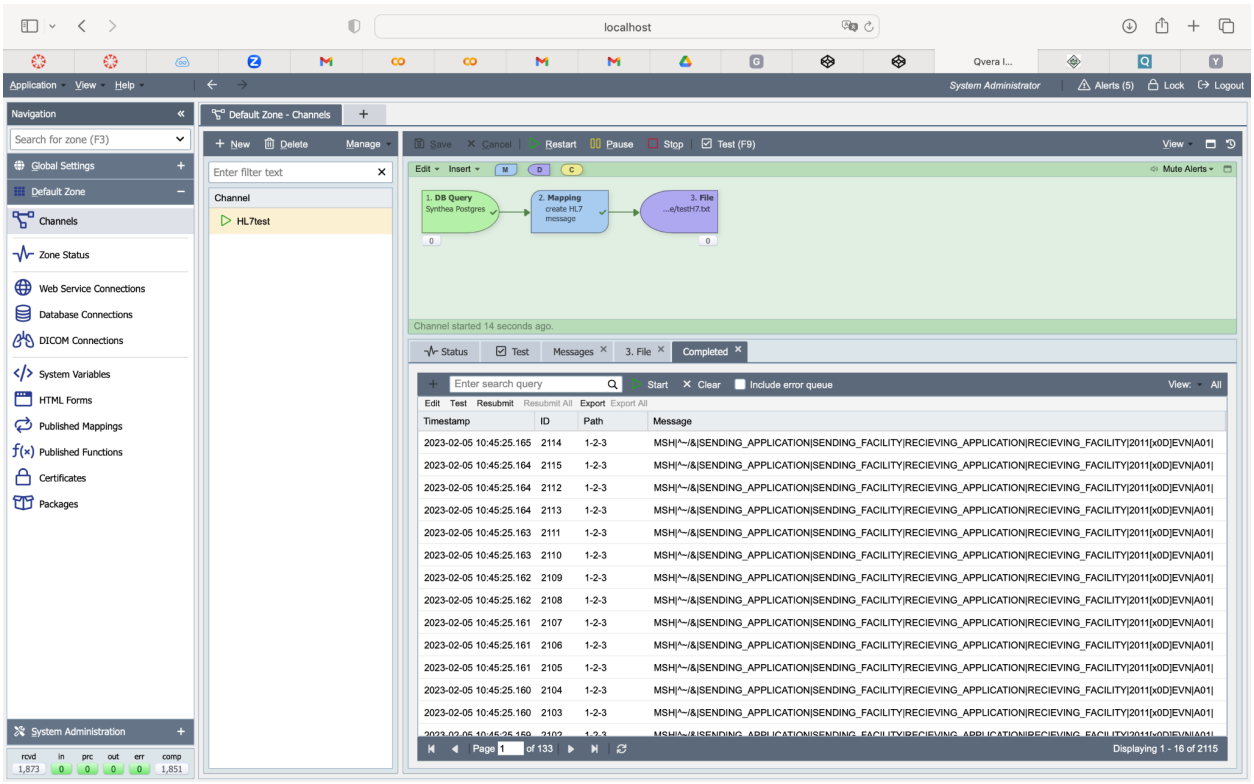
Next, I created a template HL7 message following the assignment screenshots/instructions



Then, I created a channel using the HbA1C diabetes query from assignment as indicated by the assignment 3 directions.





Running the created channel to extract data from the Synthea Database and convert to an HL7 message for standardized health information exchange.

As the assignment states, the use case is specific to a data exchange triggered by specific events that relate to diabetic patients' admission with lab results in the high HbA1C range. The DB query is the same query as used in assignment 1 to find patients with a HbA1c > 7. The file (txt) is then exported to the specified file location in Step 3.